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PLATFORM PRESENTATION

An Exposure Assessment Of Local Schools To Electromagnetic Fields From Exterior Sources

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Recently significant concern has been raised about possible adverse health effects from exposure to electromagnetic fields (EMF). Parents are especially concerned with possibility that RFR and ELF emissions produced by base station antennas and high voltage power lines near homes and schools might have a health impact on children.

This paper deals with the measuring and evaluating of indoor and outdoor electromagnetic fields (EMF) from external sources located in proximity to the schools in Nilüfer-Bursa, TURKEY.

The study was conducted in two steps. In the first step a certain number of concentric circular zones were determined, which take the school building as their centre and might include base-stations and high-voltage transmission lines.

In the second step, measurements of electromagnetic fields were carried out in different frequency bands. A Narda SRM 3006 selective radiation meter and Holaday HI 3604 EMF survey meter were used. Finally the measured results will be provided in tables and figures, and will be compared and discussed with the exposure limits of ICNIRP.